SDLW - 39/20-21

08/12/2020

M. A. R. 57 (Rule 116)
Measurement Book

No. E 536101

Serial No. 1st and final

E-BILL

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work..... D.R. Infrastructure (Dilip T-S)

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	Name of Work :	Providing and Laying 600mm RCC Sewerage Pipe line from Elements Hall SLP to Thanisandra BDMP office along Thanisandra Main Road Coming under Ward no. 06 (Thanisandra), BTP Sub-Division.				
	Estimated cost Rs :	120.00 Lakh.				
	JOB. No	- 006-19-000028 -			- P-code - 3111. State finance Commission Unit grant. Works	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work order No : EE/BTP/BBSR/EP/11/2020-21						
	Dt. 05.05.2019						
	Date of Commencement :		16-05-2020				
	Date of Completion :		30-11-2020				
(1)	Cutting Road surfaces for pipelines trenches and disposal of the Excavated stuff as directed including straightening, barricading, danger lights etc as the classify of Asphalt Roads as per the direction of the Engineer-in-charge of the work with all lead and lift, loading unloading and all other						

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Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			ಪೈಪ್ ಲೈನ್ ಟ್ರೆಂಚ್ ಅಗೆಯುವ ಕೆಲಸ ಬಿಲ್ ನಂ. (1)				
			ಪು.ನಂ 2 ರಿಂದ 384.603 ಮೀ			938.70/1	358207.92
(2)	Excavation for pipe line trenches of Required widths by mechanical/and manual mean including dressing sides, removing of boulders, providing barricadings, danger lighting, shoring, strutting, dewatering etc in all kind of soil and rock mixed with boulders of 30 cm size encountered of all dia. for depth upto 2.00 mts in all types of soils.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	etc as per the directions of the Engineer in-charge of the work with lead and lift, loading and unloading and all other incidental charges etc complete as per specifications						
				qty as do.	B. Bill	p. no. 4	
				It no.	2	267.20 m	468394.92
						@ 175.35/-	
3)	—x— pipes of all dia for depth 2.00 m to 4.00 m in all types of dock work: If any shoring and strutting will be paid separately, Will be paid separately as per the directions of the Engineer in-charge of work will all lead and lift, Loading and unloading and all other incidental charges etc Complete					267.20 m	

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Measurement Book

536103

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	as per specifications and direction of Engineer-in-charge of Work.						
			qty vide E. Bill. P.No. 5			Item 3	
			= 839.70			m^3 @ 234.25/-	1,98,795.13
4)	Excavation for pipe line trenches of required Width by mechanical and manual means including dressing sides, ramming of bottoms, providing barricading, danger Lights, shoring, shuttering, strutting, dewatering etc in Disintegrated Rock, Soft Rock, soft shale and Medium hard Rock. Comprising of						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Stone, stone, Sand stone, hard rock, Schist, fissured Rock Without re-storing to blast etc. for pipes of all dia for depths upto 2.00 m: If any shoring and strutting will be paid separately as per the directions of Engineer-in-charge of the work. With all lead and Lift, Loading and unloading and all other incidental charges etc complete as per specifications.						
	Qty. vide E-Bill-Page No 7						
	It No. 4. - 534.24 m						
	@ 424.20/m						226624.61
5)	Excavating for pipe line trenches of required width by						

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Measurement Book

536104

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	mechanical/manual means including dressing the sides, ramming of bottoms, providing barricading, danger lighting, shoring, strutting, dewatering etc in disintegrated Rock Soft Rock, Soft Shale and medium hard Rock Comprising of Lime stone, Sand stone, hard shale schist, fissured Rock Without resorting to blast etc for as per the direction of the Engineer in-charge of the work with all lead and lift, loading and unloading and all other incidental charges etc complete as per specifications and direction of Engineer-in-charge of the work.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Qty-vide. E. Bill Item No. 5 Pg No. 8					
		=	125.96	483	47		60838.68
6]	Excavation for pipe line trenches of required width by mechanical and manual means including dressing sides, ramming of bottoms, providing barricading, danger lighting, shoring, strutting, dewatering, etc in hard laterite Rock containing iron ore above 20% by chiselling and trimming to proper slope etc for pipes of all dia for depth 2.10 to 4.10 mtr. as per site directions of Engineer-in-charge						

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Measurement Book

536105

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work with all lead and lift, loading, unloading and all other incidental charges etc complete as per specifications and direction of the Engineer-in-charge of the work..						
	Qty-vide - R.Bill - Page No 7 p.no 10 = 41.99 m³ @ 1082.55/m³						45,456.27
7)	Providing and installing steel piling for both sides of the trenches for following depths with Mild steel sheet piles of not less than 6.5 mm thick Arrowyer Knife edge, tongued						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Spreader docket, 3 inch single or double wall shields, to be designed by the contractor to withstand all types of soil, max depths as per the approved design drawings, including labour charges for installing and removing the sheet piling at various reaches of sewer line Constructions, including loading, unloading, transporting to the dumpable Location etc complete With all lead and lifts for depth 3.0m to 6.0m and as per the directions the Engineer-in-charge of the Work. With all Lead and lifts Loading, unloading and other incidental charges etc complete as per specifications						

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Measurement Book

536106

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		qty vide R.Bill. p.no 10				Page no 7	
		= 750.00 sq.m @ 836.80/m2					627637.50
8)	Refilling of Earth around pipelines, in layers not exceeding 20 cms in depth compacting each deposited layers by ramming after watering all lead and lifts including costing all labours including consolidating by mechanical means approved by the Engineer in-charge, when earth is at suitable moisture content with desired field density upto 95% max. dry						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Broadth	Depth		
1	2	3	4	5	6	7	8
	density for re-storation of Roads without settlement including movement of machinary complete etc with approved Earth available nearby lead upto 100m and lift upto 1.5m as per S.B.H. p no. 11 # 8						
9)	Disposal of the excavated Earth of all types of vehicle including Loading, unloading with all lead and lift, Labour, tools & Mechanams etc. for a distance of 10km.			=	2005.45 m^3	@ 108.15/m^3	211665.77 216889.42
					1957.15		

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536107

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10)	Supplying Sand [illegible] Spun vibrated Cast Pipes (Reinforced)						
	Pipes of P.3 Class [illegible] Conforming to IS-458-1988 With latest						
	amendments using		ordinary portland cement for sealing				
	joints and conveying		to work site, Rolling and Lowering into				
	trenches, laying true to line and Level including Loading and						
	unloading at both		destinations, and jointing of pipes and				

9 kg mdl E.Bill th no 9 pno 12

= 1499.36 m^3 @ 255.15/m^3 3,82,561.70

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Specials including cost of specials, perfect Linking of pipes with jade to correct position including cost of jointing materials, ie. rubber rings, Confirming to IS- 5382 for sq/s RCC pipes With all leads and Lift as directed and giving necessary hydraulic test. etc.						
	RCC NP3. Class pipe of 600 mm dia as per the direction of Engineer-in-charge of work With all Lead and Lift, loading and unloading Charges etc Complete.						
	Qty - vide E.Bill.						
	P.No. 14 =	12	3.40			326.50 m	39,95,012.70

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Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	11) Providing and Construction of 1/2" Wire cut brick manhole Chamber, using sulphate resistant cement, conical in shape at top With C.C 1:3:6 foundation using 40mm and down size graded metal of approved quality and With an offset of 0.15m around the Chamber, Construct brick masonry in CM1:4, 340mm thick with Wire cut bricks of approved quality, plaster inside and outside With CM 1:3, 12mm thick, Except for the conical surface outside wherever						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	plaster thickness shall be 20mm and down size. Supplying and fixing SFRC Manhole frame and cover conforming to IS-12592 with latest amendments, in C.C 1:2:4. Supplying and fixing foot steps made of 12mm dia steel bars (Fe-415) with 3mm thick plastic encapsulation (IS-10910). The foot steps shall be fixed 30cms apart and on cc blocks, Embedded to manhole wall. etc complete as per drawing and as per Technical specifications.						
						qty-vide. C.Bill # No 11	
						p.no 152 24.10.20	561103.20
						e23379.30/E	
12)	providing and Constructing ... brick manhole Chamber						

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

536109

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Using Sulphate resistant Cement, conicked in shape at top of approved with C.C. 1:3:6 foundation using down and down Size graded metal of approved quality with an offset of 0.15 m around the chamber. Construct brick masonry in CM 1:4, 340mm thick with wire cut bricks of approved quality, plaster inside and out side with CM 1:3, 12mm thick except for the conicle surface outside, where plaster thickness shall be 20mm, slope inside to be 1:6 in the concrete towards central drain and finished smooth, fixing of pipes						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	for C.C. 1:2:4 with graded mix of 20mm and down size. Supplying and fixing SFRC manhole frame and cover conforming to IS 12592. With latest amendments in cc. 1:2:4, Supplying and fixing footsteps made of 12mm dia steel bars (Fe-415) with 3mm thick plastic encapsulation (IS-10910). The footsteps shall be fixed 30cm apart and in C.C blocks embedded in manhole wall. The whole works include for curing in all types of soil. Watering curing, barricady.						
						alyrde to Bill at no 12	
						p.no. 15	
						20.40 sq.m @ 15389.85/-	3,13,952.94

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M. A. R. 57 (Rule 116) **No. E** 536110

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
13)	Providing and Constructing "Wire cut brick manhole Chambers using sulphate resistant Cement, conicked in shape at top With CC 1:3:6 foundation using 40mm all down size graded metal of approved quality and With an offset of 115mm all round the Chamber, Construct brick masonry in CM 1:4 340mm thick With Wire cut bricks of approved quality, plaster inside and outside With CM 1:3, 12mm thick except for the conicked surface outside whether plaster thickness shall be 20mm. Slope						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	inside to below in the concrete and finished smooth. fixing of metal of 20mm and down size. supplying and fixing SFRC manhole frame and cover confirming to latest amendments. in C.C 1:2:4 supplying and fixing foot steps made of 12mm dia plastic encapsulations. (SR-10910) towards central drain pipes in C.C 1:2:4 with graded supplying and fixing confirming to IS-12592 with in C.C 1:2:4 supplying and fixing foot Steel bars (fe-415) with 3nos						

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Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Providing and Constructing "Wire cut brick manhole chambers using sulphate resistant cement, conicled in shape at top with c.c. 1:3:6 formed using 40mm and down size graded metal of approved quality with an offset of 0.15m around the chamber. Construct brick masonry in CM 1:4, 340mm thick with wire cut bricks of approved quality and ~~inside~~ plaster inside and outside with CM 1:3, 12mm thick, Except for the conicled surface outside whether plaster thickness						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	shall be 20mm, slope towards central drain and finished Pipes crossing with graded metal of 20mm and down size supplying and fixing SFRC manhole frame and cover conforming to IS-12592 supplying and fixing foot steps made of 12mm dia steel bars (Fe-415) with 3mm thick plastic encapsulations as per specifications.	inside to be 1:6 in the concrete with Latest amendments in C.C 1:2:4			the concrete dimensions, fixing etc complete		
			qty. inside E.Bill at No 14				
			P.no 18 = 5.85 mts				99582.24
						@ 17022.60/-	

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

536112

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
15)	Providing and Constructing 4" thick cut brick manhole chambers using sulphate resistant cement, Co-nicked in shape metal of approved quality and with an offset of 0-15 m around the chamber. Construct brick masonry in CM 1:4, 34cm thick with wire cut bricks of approved quality. plaster finished outside with CM 1:3, 12mm thick except for the Co-nicked Surface outside whether plaster thickness shall be 20mm Slope finished to be 1:6 for the concrete towards central						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	drains and finished smooth. fixing of pipes in C.C 1:2:4 With graded metal of 20mm and down size. Supplying and fixing SFRC manhole frame and cover confirming to IS-12592 With latest amendment in C.C 1:2:4. Supplying and fixing foot steps made of 12mm dia steel bar (fe-415) With 3mm thick plastic Encapsulation. (IS-10910) etc complete as per specification.						
						qty vide R.Bill. No 15 p.no 19.	
						Gross 55591.75/2	
							334750.50
16)	Providing and Constructing "Square" brick manhole						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

536113

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cambers using sulphate resistant cement, Concreted in shape at top, with C.C 1:3:6 foundation using 40mm and down size graded metal of approved quality and with an offset of 0.15m around the chamber. Construct brick Masonry in CM 1:4, 340mm thick with wire cut bricks of approved quality, plaster inside and outside with CM 1:3 12mm thick, Except for the concreted surface where the plaster thickness shall be 20mm. Slope in inside outside						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	to be 1:6 in the concrete towards central drain and finished smooth. fixing of pipes in C.C. 1:2:4 with graded metal of 20mm and down size. supplying and fixing SFRC manhole frame and cover conforming to IS-12592. With latest amendments. in C.C 1:2:4. supplying and fixing foot steps made of 12mm dia steel bar (fe-415) with 3mm thick plastic Encapsulation (IS-10910) the foot steps shall be fixed 30cm apart and on CC block ~~around~~ Embedded to many wall. etc complete as per specification.						
				qty vide	E-Bill	Item (16)	
			Pipe	- 20		2.7 mtr	47035.49
			@	17420.55/ Each.			

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Measurement Book

536114

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
17)	Conducting the level and strip of survey of alignment of main sewers of required diameter including all data required for preparing GIS map of sewer network, preparing and submission of plan and L-S with ground level at 30 m intervals and junctions points along the central line of the alignment etc. showing the Right Way, any permanent features, culverts, branch sewers pipes Complete as per specifications and as directed by the Engineer in charge of the work.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8	
			qty. vide E.B.11. Item No 17				
			P.No 24 :			127 Rmtr	
			@			29.40 Rmtr.	37367.40
18)	Providing & erecting ~~at site~~ temporary Casuarina pole three tier barricading using poles of 7.5 to 10 cms dia at 1.5 m ht above G.L. fixed vertically at intervals of 2.00 to 2.5 m centre to centre and horizontally at 0.5 m above G.L. including digging the pits for poles and for min. depth of 0.3 m of hard with coir rope firmly including cost and conveyance of all materials, labour, lead and lift charges						

M. A. R. 57 (Rule 116) No. E 536115

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	etc Complete as per the direction of the Engineer in-charge of the work.						
		qty. as per	E.Bill	No 18	p. no 22		69396.60
		2	1271.00	Rate	54.60/-		
19)	HC water pumped (3500 Ltr/Hr) as per the direction of the Engineer-in-charge of the work with all lead and lift. loading and unloading and all other incidental charges etc Complete as per specifications and direction of the Engineer in charge of work.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			qty. as per B.Bill Page No 19				40825.00
			P. No. 23 = 60. Only.				
						@ 813.75/-	
20/	Providing and laying in foundation trench with granite/hap boulders metal to the required and given size with approved and including hand packing, ramming, watering, including cutting all materials and labours. With all lead of lift etc complete as per specifications. Bedding pipes as per the directions of Engineer-in-charge of the work. With all lead and lift. Loading and unloading, all other incidental charges,						

M. A. R. 57 (Rule 116) No. E 536116

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Loading, unloading and all other incidental charges etc complete as per specifications.						
			qty-vide R.B.N. Page no 21				
			page no. 25 & 45				
22)	Dismantling ~~dressed stone~~ masonry in lime/mortar/cement mortar and stacking the dressed stone and removing and disposing the debris with all lead and lift etc complete including costs of all other equipments and tools etc Complete as per specifications and as directed by the Engineer In-charge Work as per the					₹ 438.52/-	197334.00

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Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Qty as per R. Bill		Page No	22	
			Page No 26			90.00 m³	
						@191.44/m³	17229.60
23)	Providing and Constructing ಗ್ರಾನೈಟ್ ಕಲ್ಲಿನ ಅಡಿಪಾಯಂತರದ granite stone/ ಬಂಡೆ ಕಲ್ಲಿನ ಅಡಿಪಾಯಕ್ಕೆ ಬಳಸಿದ for foundation with ಕಲ್ಲಿನ & stone hammer dressed in courses not less than 20 cms high, bond stone @ 2 Mts apart in each course including costs, material, labour, carry with all lead and lift etc complete as per the specifications and directions						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Engineer-in-Charge of Work. for drain walls, specification No 1483 5.1.13 With using available stones as per the directions of Engineer-in-Charge of work. With all lead and lift, loading, unloading and all other incidental charges etc complete as per specification.						
	qty. taken from E.Bill. No 23						
	P.No 27 = 90.00 m³						
	@ 3452.13/m³						310691.70
24)	Constructing of granular sub-base by providing close graded crushed stone aggregates of granite/trap/laterite						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

536118

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Material, mixing in a mechanical mix plant at site, carriage & mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power Rollers to achieve the desired density, complete as per specification. Plant mix method for grading-II Material as per the directions of Engineer-in-charge of the work with all lead and lift, loading unloading and all other incidental charges etc complete. as per						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Specifications:					qty. vide R.B.11. page no 28	
						Item no. 24 = 305.2843	
						C 2280.54/-	696203.25
25	Providing, laying, spreading and compacting ISS/MM graded granite stone aggregate to wet mix macadam (WMM) specification including premixing the material with water at OMC vis - mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with pavers in sub-base/base course on well prepared surface and compacting with vibratory Roller to achieve the desired						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

536119

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	density, grading of material as per the directions of Engineer-in-charge work. as per specifications and directions of the Engineer-in-charge work.						
						9th mile E.Bill. # no. 25 p.no 29	
						= 305.28 @ 2101.34/m³	641497.08
29	Providing and applying prime coat for surface of mixing plant. @ 20.00 kg/m² cement stabilized					soil base @ 1.10 kg/m² over	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Prepared surface with S.S. Bitumen Emulsion using bitumen tanker fitted with spray set including cost of all materials, labours, tools & machineries complete as per specifications.						
						Qty. as per E. Bill No 26	
						P.No 30 = 1526.403 sqm	
						@ 48.97/42	74747.81
29)	Providing and laying ಅಭಿವೃದ್ಧಿಪಡಿಸಿ ಮತ್ತು ಹಾಕುವುದು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ 22.20.2 crushed aggregates of specified grading, premixed with bituminous binder and fully transporting the						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

536120

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	hot mix to work site, laying with a paver finisher to the required grade level and alignment, rolling with smooth wheeled, vibratory and tandem Roller to achieve the desired Compaction as per morth specification clause no. 500 & Complete in all respect complete as per specification. using 100-120 TPH Capacity HMP. With dense paver grading -2 (35-40mm) with 4.5% VGRMB 70/PMB 70 to grade as per the direction of the Engineer-In-charge of the work						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	With all lead and Lift, loading, unloading and all other incidental charges etc, complete as per specifications and direction of Engineer-in-charge of the work.						
						@ Rs 11.14 vide 27	
						P.no 32 = 61.45 y³	
						@ 10,040.42/y³	6,14,295.62
28]	Providing and laying open graded premixed carpet of 20mm thickness prepared surface in a single course as Wearing course including composed of 11.2 mm and						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

536121

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	13.20 mm size stone aggregate 0.027 cum/sqm premixed with bituminous binder at 1.4 kg/sqm in mixing mix plant 6-10 tonne capacity laying manually rolling with power Roller 8-10 tonnes, excluding costage, tack coat, including cost of all materials, labour, hire of machinery complete as per specification vide (MoRTH) grade, Morth clause no. 511 chapter-5 as per direction of Engineer						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	In charges the work with all lead and lift, loading and unloading and all other incidental charges etc. complete as per specifications and directions of in-charge of the work..						
	C/o PC		Qty vide It no. 28 p.no				
			= 1526.40 m^2 @			154.₹/m^2	2,36,149.34
			120491 81.60			Total (A)	1,20,54,405.31
			—			1CPWD SR It total	36,13,446.77
			—			(B) 12% GST on SR Items	4,33,616.00
			120491 81.60			Total R/ (A+B)	1,24,88,024.31

30/11/20 20

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

M. A. R. 57 (Rule 116) **No. E** 536122

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

600 ϕ UGD Line

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಬಿಬಿಎಂಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-26

Nagaraja Raj Raj

1st & Final

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
P3111	State Finance Commission						
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ United Grant Works ರಡಿ		TTB	12049000.00			
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 12049000/- ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ.		I+	120490.00			
	ಇದರಲ್ಲಿ ರೂ. 529000/- ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ		CGST	107581.00			
	ಮಾಡಿಕೊಂಡು ರೂ. 1,15,20,000/- ಗಳನ್ನು		SGST	107581.00			
			CESS	120490.00			
	US ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ		CBF	12049.00			
	ಪಾವತಿಕ 14/12		CR	50809.00			
	ಸಂಖ್ಯೆಯ ವಿಭಾಗ	ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು 14/12 ಬ್ಯಾಂಕರಾಯನಪುರ ವಿಭಾಗ	Ded.	529000.00			
14/12/20	ಬೃ.ಬೆ.ಮ.ಪ್ರಾ. ಬೆಂಗಳೂರು	ಬೃ.ಬೆ.ಮ.ಪ್ರಾ. ಬೆಂಗಳೂರು	Cheque	11520000.00			